

## Supplement Information

### **™Structural, morphological, and optical properties of carbon nanoparticles unsheathed from date palm fronds**

Shaik Muhammad. U. G. Mohiuddin,<sup>a,b,\*</sup> Abdulkadir Aydarous,<sup>a</sup> Ahmed Alshahrie,<sup>a,b</sup> Abdu Saeed,<sup>a,b,c</sup> Adnan Memic,<sup>b</sup> Shittu Abdullahi,<sup>a,b,d</sup> and Numan Salah,<sup>b,\*</sup>

<sup>a</sup> Department of Physics, Faculty of Sciences, King Abdulaziz University, 21589, Jeddah, Saudi Arabia.

<sup>b</sup> Center of Nanotechnology, King Abdulaziz University, 21589, Jeddah, Saudi Arabia.

<sup>c</sup> Department of Physics, Faculty of Sciences, Thamar University, Thamar, Yemen.

<sup>d</sup> Department of Physics, Faculty of Science, Gombe State University, Gombe, Nigeria.

\*E-mails: [smohiuddin@stu.kau.edu.sa](mailto:smohiuddin@stu.kau.edu.sa) (Shaik Mohiuddin), [nsalah@kau.edu.sa](mailto:nsalah@kau.edu.sa) (Numan Salah)

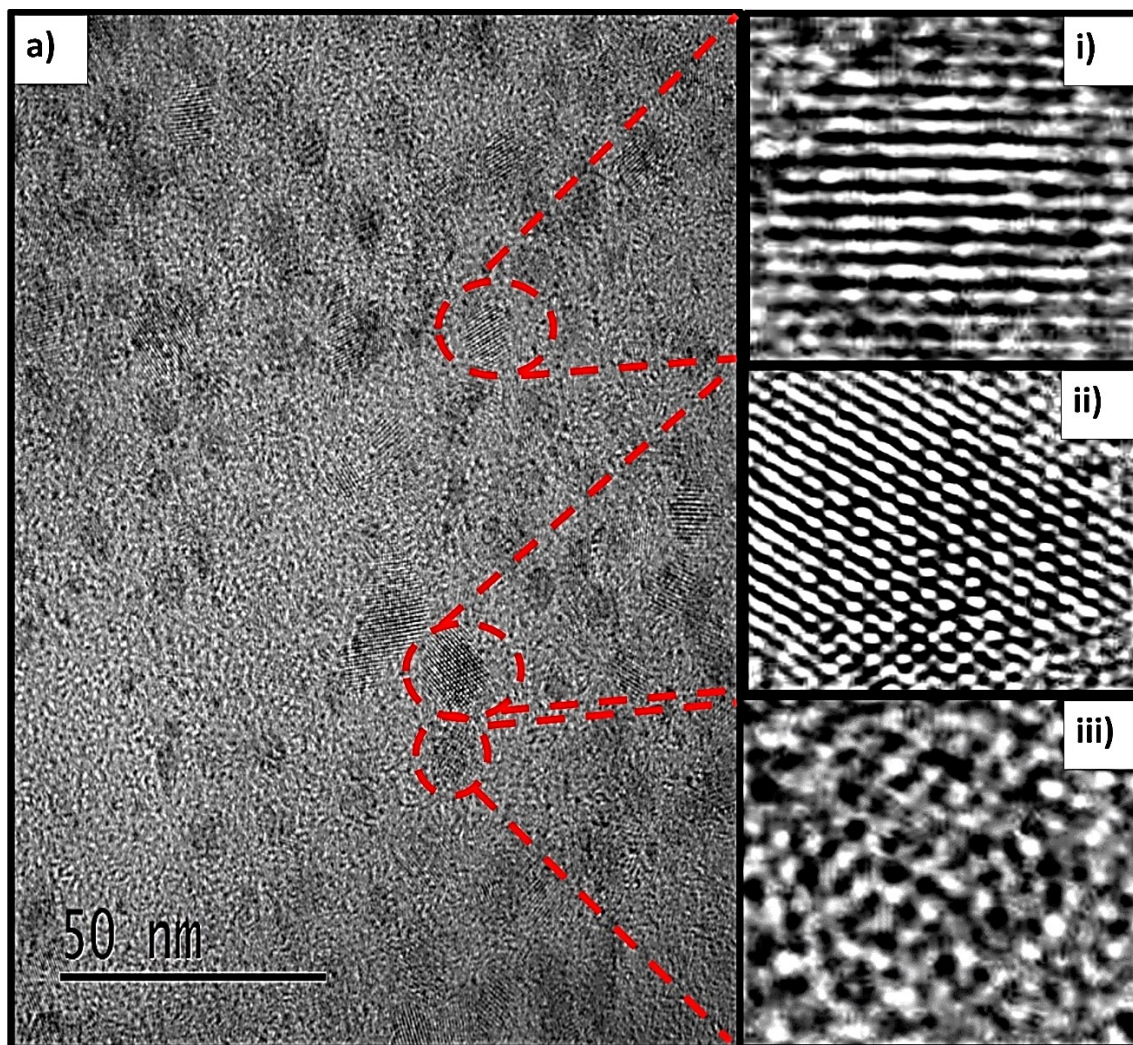


Figure. S1: The HR-TEM image of CNPs at 50 nm (a) magnification displaying the interfinger lattice (i) , crystallinity (ii) , and traces of hexagonal rings carbon (iii).

**Table S1: Summaried FTIR transmittance and vibration values of bands obtained for CNPs.**

Transmittance (cm <sup>-1</sup> )	Appearance	Element group	ref
3400	strong	C-OH	<b>1,2</b>
3163	stretching vibration	C-H	<b>2</b>
3013	stretching vibration	C-H	<b>3</b>
2900	stretching vibration	C-H	<b>3,4</b>
2763	stretching vibration	C-H	<b>3,4</b>
1523	small	C=C	<b>1,3-5</b>
1700	medium	C=O	<b>1,3-5</b>
1398	stretching vibration	C-O-C	<b>3-5</b>
1131	stretching vibration	C-O	<b>3-5</b>
1335	stretching vibration	C-O	<b>3-5</b>
2350	strong	O=C=O	<b>6,7</b>

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